

**MEMORANDUM****DATE:** June 14, 1993**TO:** Randy Ogg**COPIES:** B Bevirt
S. Bamberg
H. Leighton
J. Merino
B. Neary
S. Paris
K. Ruger
D. Tiglas**FROM:** Wendy Johnson *WJ***SUBJECT:** Scope of Work for the OU4 Environmental Evaluation

As you have requested we have modified our OU4 Environmental Evaluation in accordance with comments from EPA (April 20, 1993 from Martin Hestmark) and CDH (April 6, 1993 from Jeb Love). The basic change is to eliminate all ecotoxicological sampling and tissue sampling in OU4. These activities will be conducted during the Integrated EE for the entire Industrial Area. The basic objectives of the OU4 field program are a site characterization and biological baseline study.

The OU4 field program will consist of the following four activities:

- Habitat surveys (following SOP EE.11) that will be comprehensive for the study area, and qualitative in that the surveys will document all observation on habitat on habitat evaluation forms (Form EE.11).
- Vegetation sampling (following SOP EE.10);
Qualitative surveys - releve method using Form EE.10D,
Quantitative surveys - point-intercept using Form EE.10A,
 - belt transect using Form EE.10B,
 - production estimation plots by a modified method (see attached DCN) using Form EE.10C.
- Small mammal surveys (following SOP EE.06) and bird surveys (following SOP EE.07);
 - Small mammals using Sherman live traps and recording on Form EE.6A,
 - Bird Surveys using transect and recording on Form EE.7A.

Memorandum to Randy Ogg
June 14, 1993
Page 2

- Soil sampling (following SOP EE.12); 5 pits will be hand dug to 36 centimeters using the method employed by CSU,
 - Diagnostic characteristic description on side of hand dug pit and record on Form EE.12A,
 - Collect soil samples for analysis at 3, 6, 12, 18, 24 and 36 centimeters,
 - Analyze for contaminants of concern, and pH, organic carbon content, exchangeable cations, nitrogen, and bulk density.

The OU4 field program began June 10, 1993 (see attached schedule) and we plan to proceed with this understanding of the scope of work until further notice.

ENVIRONMENTAL MANAGEMENT DOCUMENT CHANGE NOTICE (DCN)

Procedure Number EE.10, Rev. 0

Page 1 of 1

Title Sampling of Vegetation		Date 6/11/93		DCN Number			
Expires <u>12/31/93</u>				Procedure Revision Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Scope Limitation <u>None</u>							

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Spaces)
1	9 - 11	Section 7.1.3 Production Plots	Plant above ground production will be estimated using a calibrated ocular technique. 0.5 m ² plots will be visually estimated for wet weight by species. The estimation will be calibrated by clipping and weighing each species until the error in estimation is less than 10%.

Justification (Reason for Change - Provide Numbers to Reference Corresponding Items Above)

1 This calibrated production estimation procedure is a rapid, non-destructive and non-intrusive technique that has the accuracy necessary for the survey requirements.

Concurrence	Organization	Req	Date	Concurrence	Organization	Req	Date
	QAPM	X			User	X	
	EOM	X					

Approval of Responsible Manager	Date	Is Posting Req'd? <input type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, By What Date?	Date Posted
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June 1993

Monthly Planner

		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

S	M	T	W	T	F	S
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

S	M	T	W	T	F	S
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					